

26 September 1982

PSC Box 542
APO Miami 34004

Bob Fabris
2636 Morrie Drive
San Jose, CA 95127

Dear Bob,

In answer to the challenge on page 105 of the Arcadian for scrolling the screen up, down, left and right, enclosed are:

- a. A disassembled listing of the "scroll right" routine on page 105;
- b. A listing to scroll the screen 1 pixel left;
- c. A listing to scroll the screen 1 pixel up;
- d. A listing to scroll the screen 1 pixel down.

Listing "D" requires that either the top line (Y=43) be blank, or a BOX 0,43,160,1,2 command be issued before calling the machine-language subroutine - otherwise, anything in the foreground color on line 43 will be "stretched" down each time the routine is called. This is due to the fact that there is no RAM "above" line 43 - by changing the byte at location 9 to 90₁₀, you can cause a curtain effect which covers each line in the foreground color.

Hope these meet the need.

Yours from paradise,



Rich Tietjens

corrected

*See P 105 V4
for program*